

IAP4 PCT/PTO 21 DEC 2005

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DEC 21 2005

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NUMBER
0074-510506U.S. APPLICATION NO. (If known, see 37 CFR 1.5)
10/520,862INTERNATIONAL APPLICATION NO.
PCT/NZ2003/000149INTERNATIONAL FILING DATE
11 July 2003PRIORITY DATE CLAIMED
11 July 2002**TITLE OF INVENTION**

NMR APPARATUS

APPLICANT(S) FOR DO/EO/US

PAUL TERENCE CALLAGHAN ET AL.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.
2. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.
3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. The US has been elected (Article 31).
5. A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. is attached hereto (required only if not communicated by the International Bureau).
 - b. has been communicated by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US).
6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. is attached hereto.
 - b. has been previously submitted under 35 U.S.C. 154(d)(4).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. are attached hereto (required only if not communicated by the International Bureau).
 - b. have been communicated by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. A preliminary amendment.
14. An Application Data Sheet under 37 CFR 1.76.
15. A substitute specification.
16. A power of attorney and/or change of address letter.
17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.
18. A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/520,862		INTERNATIONAL APPLICATION NO. PCT/NZ2003/000149		ATTORNEY'S DOCKET NUMBER 0074-510506	
20. Other items or information: - Transmittal of Letter to the United States Designated/Elected Office (DO/EO/US) - Post card receipt					
The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21. <input type="checkbox"/> Basic national fee (37 CFR 1.492(a)) \$300				\$	
22. <input type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 All other situations \$200				\$	
23. <input type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB \$400 All other situations \$500				\$	
TOTAL OF 21, 22 and 23 =					
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.				\$	
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)		RATE	
- 100 =	/50 =			x \$250	\$
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).					
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	29 - 20 =	9	x \$ 50	\$ 450.00	
Independent claims	4 - 3 =	1	x \$200	\$ 200.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360	\$
TOTAL OF ABOVE CALCULATIONS = \$ 780.00					
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.					
SUBTOTAL = \$ 390.00					
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).					
TOTAL NATIONAL FEE = \$ 390.00					
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property					
TOTAL FEES ENCLOSED = \$ 390.00					
				Amount to be refunded:	\$
				Amount to be charged:	\$

12/27/2005 ATRAN1 00000062 10520862

01 FC:2617
02 FC:2615
03 FC:261465.00 OP
225.00 OP
100.00 OP

12/24/2006 FSMITH 00000001 041406 10520862

01 FC:2616 180.00 DA

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

- a. A check in the amount of \$ 390.00 to cover the above fees is enclosed.
- b. Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 04-1406. A duplicate copy of this sheet is enclosed.
- d. Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Customer Number 000110
 DANN, DORFMAN, HERRELL AND SKILLMAN, P.C.
 1601 Market Street, Suite 2400
 Philadelphia, PA 19103-2307
 US

Tel: 215-563-4100
 Fax: 215-563-4044
 email: vpace@ddhs.com

SIGNATURE

NAME

REGISTRATION NUMBER

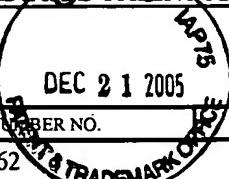


UNITED STATES PATENT AND TRADEMARK OFFICE

DEC 21 2005

U.S. APPLICATION NUMBER NO.

10/520,862



FIRST NAMED APPLICANT

Paul Terence Callaghan

ATTY. DOCKET NO.

0074-510506

INTERNATIONAL APPLICATION NO.

PCT/NZ03/00149

I.A. FILING DATE

07/11/2003

PRIORITY DATE

07/11/2002

000110
 DANN, DORFMAN, HERRELL & SKILLMAN
 1601 MARKET STREET
 SUITE 2400
 PHILADELPHIA, PA 19103-2307

CONFIRMATION NO. 4460
 371 FORMALITIES LETTER



OC000000017194421

Date Mailed: 10/19/2005

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Indication of Small Entity Status
- Copy of the International Application filed on 01/11/2005
- Copy of the International Search Report filed on 01/11/2005
- Copy of IPE Report filed on 01/11/2005
- Copy of Annexes to the IPER filed on 01/11/2005
- U.S. Basic National Fees filed on 01/11/2005
- Priority Documents filed on 01/11/2005
- Specification filed on 01/11/2005
- Claims filed on 01/11/2005
- Abstracts filed on 01/11/2005
- Drawings filed on 01/11/2005

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Additional claim fees of \$480 as a small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.
- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath

or declaration) as set forth in 37 CFR 1.492(h) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is **\$545** for a Small Entity:

- **\$65** Surcharge.
- Total additional claim fee(s) for this application is **\$ 480**
 - **\$100** for 1 independent claims over 3.
 - **\$200** for 8 total claims over 20.
 - **\$180** for multiple dependent claim surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

FREDERICK SMITH

Telephone: (703) 308-9140 EXT 210

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/520,862	PCT/NZ03/00149	0074-510506



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

U.S. Application No. 10/520,862	Applicant's or Agent's File Reference 0074-510506
IDENTIFICATION OF THE INTERNATIONAL APPLICATION	
Int'l Appln. No. PCT/NZ2003/000149	Int'l. Filing Date 11 July 2003
Applicant (name) PAUL TERENCE CALLAGHAN	
TRANSMITTAL OF LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)	

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

I hereby certify that this Correspondence is being deposited on December 19, 2005, with the United States Postal Service as first-class mail in an envelope properly addressed to COMMISSIONER FOR PATENTS, Alexandria, Virginia 22313-1450.

December 19, 2005

Date of Certificate

Vincent T. Pace
PTO Registration No. 31,049

We are enclosing the following for the above-identified application:

- 1) Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371 (Form PTO-1390) (**SECOND** or **SUBSEQUENT** submission);
- 2) Copy of Form PCT/DO/EO/905;
- 3) Declaration, Power of Attorney and Power to Inspect;
- 4) Preliminary Amendment;
- 5) Information Disclosure Statement, including Form PTO-1449 and copies of documents other than issued U.S. Patents/published U.S. patent applications;
- 6) Application Data Sheet;
- 7) Government Fees (small entity): late oath or declaration surcharge (\$65), excess claims fee (\$175), and excess independent claims fee (\$100): check in the amount of \$340.00.